

## **A Programmable Data Processing Apparatus for CCMP Hardware Implementation**

### **Abstract of the Disclosure**

5        The present invention relates to a programmable data processing apparatus that can minimize the extent of hardware modification by using a storage unit for storing the mutable fields of the WLAN encryption standard, while the encryption standard used in wireless local area network (WLAN) is varied. The programmable data processing apparatus comprises: a first  
10 storage unit, which stores at least an auxiliary data, wherein the auxiliary data stored in the first storage unit can be renew from outside when the encryption standard is varied; a reader, coupled to the first storage unit, which is used for receiving an index so as to read a corresponding auxiliary data from the first storage unit; a processor, coupled to the reader, for  
15 receiving the auxiliary data and a data signal, wherein, the processor will processes the data signal according to the auxiliary data so as to output a processed signal.

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